

### ABSTRACT

The present invention has the purpose of providing optical fiber base material having an even ratio of core to clad in the longitudinal direction thereof and method of easily manufacturing the same. In the method of manufacturing the optical fiber base material using the outside vapor deposition (OVD) process, a burner is relatively reciprocated against and along an initial material and deposits glass fine particles on the initial material. In the above method, the relative reciprocation is stopped at the returning positions in a certain period, preferably, in no less than 3 seconds and no more than 60 seconds.